

18(3), 18(7)

AUTHORS:

Natapov, B. S., Vasilenko, G. I.,
Rybostsev, S. I., Panasenko, Ye. I.

SOV/163-59-1-43/50

TITLE:

Influence of Hot Rolling and of Recrystallization Annealing
Upon the Structure and the Properties of Steel 08kp (Vliyaniye
goryachej prokatki i rekristallizatsionnogo otzhiga na
strukturu i svoystva stali 08kp)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Metallurgiya, 1959, Nr 1,
pp 225-229 (USSR)

ABSTRACT:

This is an investigation of some regularities encountered in
the formation of the structure of steel 08kp during hot rolling
and annealing. The samples were rolled in laboratory rolling
mills and annealed in muffle furnaces. The structure was
investigated by means of micrograph and X-ray analysis methods.
The grain sizes were qualitatively determined on the
texturometer by Akulov. In the plant "Zaporozhstal' " steel
sheet has been hot rolled in order to obtain a high degree of
stretching on a continuous rolling mill with 4 stands of
roughing rolls and 6 stands of dressing rolls. The investigation
showed that if the temperature after rolling still exceeds
880° recrystallization in the billet takes place within a very

Card 1/4

Influence of Hot Rolling and of Recrystallization
Annealing Upon the Structure and the Properties of
Steel 08kp

SOV/163-59-1-43/50

short time (below 1 second). The crystallization at 1 000° starts not before 16 seconds. Immediately after leaving the last stand of rolls the metal exhibited a fine grain (index 7-8) at all temperatures. Grain growth starts only after an appropriate halting time, for example at 800° growing begins after 1 minute (Ref 1). If rolling is terminated at a temperature of 860-840° and if the billet is kept for 30 minutes in a furnace at the same temperature no grain growth is found. A pronounced growth of the grains at the surface of the semifinished steel products occurs at a temperature after rolling which is below the critical point Ar_3 , at a reduction of less than 15% and a subsequent halting time of 15-30 minutes at 800-750°. When rolling is carried out in the plant, a difference is observed in the growth of the grains at the metal surface. This is considered due to the different depth of deformation and a slow cooling in the range of 800-700°. In order to prevent the formation of eutectic grains the temperature at the end of rolling must exceed 860°, the reduction must keep

Card 2/4

Influence of Hot Rolling and of Recrystallization
Annealing Upon the Structure and the Properties of
Steel 08kp

SOV/163-59-1-43/50

within the limits of 12-20% and the cooling process should be accelerated in the range of 800-680°. It was further found that under otherwise equal conditions the grain size after rolling depends upon the chemical composition and the metallurgical history of the melt. The investigation showed that the duration of annealing of the steel 08kp can be reduced and the rate of cooling can be increased. One of the means of a considerable increase in output and of an improvement in steel quality may be a continuous electric annealing of the steel sheet. Laboratory investigations of resistance heating conducted in this direction yielded a satisfactory structure and quality of steel 08kp. Two temperature ranges were found to be most suitable: 730-780° and 1,000-1,050°. An annealing at 730-780° is most advantageous with respect to economy and production considerations. There are 5 figures, 2 tables, and 5 references, 4 of which are Soviet.

ASSOCIATION: Zaporozhskiy mashinostroitel'nyy institut (Zaporozh'ye
Institute of Machine Building)
Card 3/4

RYABTSEV, S.I.; PETERGERYA, D.M.

Investigating the fatigue strength of DI-1 and Kh17N2 steels.
Izv. vys. ucheb. zav.; chern. met. 6 no.10:125-129 '63.

(MIRA 16:12)

1. Zaporozhskiy mashinostroitel'nyy institut.

VASIL'YEV, A., dots.; RYABTSEV, V., aspirant

Useful attachment to the flax puller. Nauka i pered. op. v sel'khoz.
8 no. 7:43-44 J1 '58. (MIRA 11:8)

1. Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo
khozyaystva (for Vasil'yev). 2. Vsesoyuznyy nauchno-issledovatel'skiy
institut l'ma (for Ryabtsev).

(Flax--Harvesting)

IL'YEVICH, A.P. [author]; RIABTSEV, V. [reviewer].

Necessary textbook ("Mechanical equipment of ceramic and glass plants."
A.P. Il'evich. Reviewed by V. Riabtsev). Stek. i ker. vol. 10 no.8:29-31
Ag '53.

(Ceramic industries) (Glass manufacture)

VOL'PERT, G.D.; BERG, T.V. retsenzent; RYABTSOV, V.A., redaktor;
PANOV, B.N., retsenzent.

[Hard-surfacing of equipment parts in the building materials
industry with wear-resistant alloys] Naplavka iznosoustoichiv-
osti splavami detalei sberudevaniia proizvodstva strelitel'-
nykh materialov. Moskva, Gos. izd-vo lit-ry po stroitel'nym ma-
terialam, 1953. 286 p.
(Hard facing)

(MLRA 7:8)

RYABTSEV, V.G.

Surgical treatment of stomach cancer. Trudy I-MMI 16:124-130
'62. (MIRA 17:4)

1. Iz kafedry fakul'tatskoy khirurgii (zav. - prof. N.M.Elianskiy)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

YELANSKIY, N. N., prof.; SHKROB, O. S., dotsent; RYABTSEV, V. G., kand.
med. nauk; MLYNCHIK, V. Ye., kand. med. nauk

Some problems in the diagnosis and surgical treatment of cancer
of the esophagus and cardia. Khirurgiia 38 no.7:37-43 J1 '62.
(MIRA 15:7)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - zasluzhennyy deyatel'!
nauki RSFSR prof. N. N. Yelanskiy) I Moskovskogo ordena Lenina
meditsinskogo instituta imeni I. M. Sechenova.

(STOMACH—CANCER) (ESOPHAGUS—CANCER)

RYABTSEV, V. G., Cand Med Sci (diss) -- "Total gastrectomy in stomach cancer (Based on material from the faculty surgical clinic im N. N. Burdenko for 1949-1950)". Moscow, 1960.. 14 pp (First Moscow Order of Lenin Med Inst im I. M. Sechenov), 200 copies (KL, No 9, 1960, 129)

GORNAK, K.A.; SEROV, V.V.; RYABTSEV, V.G.; VECHER, A.M. (Moskva)

Lymphangioendothelioma of the thoracic duct. Arkh. pat. 25 no.3:
73-77 '63. (MIRA 17:12)

1. Iz kafedry patologicheskoy anatomi (zav. - chlen-korrespondent
AMN SSSR prof. A.I. Strukov) propedevticheskoy terapevticheskoy
kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. V.Kh. Vasilenko)
i fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. N.N. Yelanskiy)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Seche-
nova.

RYABTSEV, V.G.

Experience of 80 total gastrectomies in cancer of the stomach.
Khirurgiia 35 no.6:106-113 Je '59. (MIRA 12:8)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - zasluzhennyy
deyatel' nauki prof.N.N.Yelanskiy) lechebnogo fakul'teta I
Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.
Sechenova.

(GASTRECTOMY
total, in cancer of stomach, statist. (Rus))

RYABTSEV, V.G., kand. med. nauk.

Late results of total gastrectomy in gastric cancer. Khirurgiia
40 no.8:32-37 Ag '64. (MIRA 18:3)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. N.N. Yelanskiy)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

RYABTSEV, V.G.

Observations on the effects of terramycin in surgical practice.
Khirurgia 35 no.4:71-73 Ap. '59. (MIRA 12:8)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - zasluzhennyy
deyatel' nauki RSFSR prof. N.N.Yelanskiy) I Moskovskogo ordena
Lenina meditsinskogo instituta imeni I.M.Sechenova.
(OXYTETRACYCLINE, ther. use
in surg. cond. (Rus))

RYABTSEV, V. I., inzh.

Prevention of air leakage in the VK-25-1 turbine. Energetik
11 no. 12:11 D '63. (MIRA 17:5)

RYABTSEV, V.I., inzh.

Improvement of the thermal network of the K-50-90 turbine.
Energetik 11 no.7:6-7 J1 '63. (MIRA 16:8)

(Steam turbines)

YEGOROV, M.Ye.; RYABTSEV, V.N.

Results of testing flax pullers. Trakt. i sel'khozmash. no.12:20-21
(MIRA 11:12)
D '58.
(Flax--Harvesting) (Harvesting machinery--Testing)

RYABTSEV, V.P.

Response to V.M.Volzhskii and M.P.Pancheshnikov's article "Anchor bolting in slate mines." Ugol' 36 no.9:54 S '61. (MIRA 14:9)

1. Nachal'nik uchastka shakhty no.3 kombinata "Slantsy."
(Mine roof bolting)

IYEVLEV, Valentin Ivanovich; RYABTSEV, Yuriy Ivanovich; LAKHTIN, B.M.,
red.; SHIROKOVA, M.M., tekhn. red.

[Installation of 500 kv. power transformers] Montazh transforma-
torov napriazheniem 500 kv. Moskva, Gosenergoizdat, 1961. 39 p.
(Biblioteka elektromontera, no.52) (MIRA 15:5)

(Electric transformers)
(Electric power distribution—Equipment and supplies)

LYUBOVICH, L.A.; RYABTSEV, Yu.S.

[Transistorized current switching units of high-speed digital computers] Elementy bystrodeistvuiushchey vychislitel'noi mashiny na transistornykh perekliuchateliakh toka. Moskva, Akad. nauk SSSR, In-t tochnoi mekhaniki i vychislitel'noi tekhniki, 1960. 59 p.
(Electronic digital computers)

PHASE I BOOK EXPLOITATION

SOV/5605

Lubovitch, L.A., and Yu. S. Ryabtsev

Elementy bystrodeystvuyushchey vychislitel'noy mashiny na tranzistornykh pereklyuchatelyakh toka (Transistorized Current-Switching Components of High-Speed Digital Computers) Moscow, 1960. 59 p. 600 copies printed.
(Series: Elektronnyye vychislitel'nyye mashiny)

Sponsoring Agency: Institut tochnoy mekhaniki i vychislitel'noy tekhniki Akademii nauk SSSR.

No contributors mentioned.

PURPOSE: This book is intended for technical personnel concerned with computing techniques.

COVERAGE: Operating principles of current changeover switches are given. Construction of high-speed logical and memory units and main circuits on such switches is discussed, with circuit constructions on drift transistors P-401 and P-403 outlined in detail. Transient processes in switches are considered, and experimental data from tests of components and complex

Card 1/3

Transistorized Current-Switching Components (Cont.)

SOV/5605

circuits are given. The requirements for circuit components are discussed. No personalities are mentioned. There are 12 references: 8 English and 4 Soviet.

TABLE OF CONTENTS:

Introduction	3
I. Main Component of a Current Changeover Switch	7
II. Design of Logical and Storage Circuits	18
III. Calculation of a Changeover Switch	22
IV. Transients During Switching	29
V. Characteristics and Experimental Investigation of Current-Switching Circuits With Ohmic Resistance Diodes in a Collector Network	32
VI. Requirements of Current-Switch Circuits Transistors	46
	46
	52

NIKANDROV, B.; VOLGIN, V.; KUZNETSOV, N.; RYABTSEVA, A.; VORONIN, A.;
SERGEYEV, Ye.; PECHATKIN, I.

Labor campaign in honor of the congress. Prom.koop. 12 no.12:4
D '58. (MIRA 12:2)

1. Predsedatel' pravleniya moskovskoy arteli "Tol'prom" (for Nikandrov). 2. Sekretar' partorganizatsii moskovskoy arteli "Tol'prom" (for Volgin). 3. Predsedatel' pravleniya arteli "Rembytshvey" (for Kuznetsov). 4. Sekretar' partoorganizatsii arteli "Rembytshvey" (for Ryabtseva). 5. Predsedatel' pravleniya oblpromsoveta Tul'skoy oblasti (for Voronin). 6. Zamestitel' predsedatelya pravleniya oblpromsoveta Alma-Atinskoy oblasti (for Sergeyev). 7. Sekretar' partorganizatsii krasnoslobodskoy arteli im. Kuybysheva Mordovskoy ASSR (for Pechatkin).

(Cooperative societies)

SOLODKINA, Yelena Kirillovna; LOPOVOK, B.N., retsentent; NAUMOV, K.A.,
retsentent; RYABTSEVA, I.L., red.; BARANOVSKAYA, K.P., tekhn.
red.

[Oblique bending. Eccentric tension and compression] Kosoi iz-
gib. Vnetsentrennoe rastiazhenie i szhatie. Moskva, Mosk.
aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962. 24 p.
(MIRA 16:4)

(Beams and girders)

PETRUKHA, P.G.; BOVIN, V.G.; MYAKISHEV, M.A.; RYABTSEVA, I.L., red.;
BARANOVSKAYA, K.P., tekhn. red.

[Machine tools; purpose and performance, kinematic and
hydraulic systems, adjustment and basic data] Metallore-
zhushchie stanki; naznachenie i metody raboty, kinematiche-
skie i gidravlichесkie skhemy, nastroika i osnovnye dannye.
Moskva, Mosk. aviatcionnyi in-t im. Sergo Ordzhonokidze,
1962. 106 p. (MIRA 16:12)

(Machine tools—Design and construction)

TSYDZIK, Petr Vladimirovich; MIKHAYLOV, N.D., dots., retsentent;
MIKHAYLOV, M.N., retsentent; RYABTSEVA, I.L., red.;
BARANOVSKAYA, K.P., tekhn. red.

[Contact stresses] Kontaktrye napriazheniiia; uchebnoe po-
sobie. Moskva, Mosk. aviationsionnyi in-t im. Sergo Ordzhoni-
kidze, 1962. 15 p. (MIRA 17:4)

LOPOVOK, Boris Nikolayevich; MARCHENKO, V.M., retsenzent; BURMISTROV,
D.I., retsenzent; RYABTSEVA, I.L., red.; BARANOVSKAYA, K.P.,
tekhn. red.

[Moments of inertia of plane figures] Momenty inertsii ploskikh
figur. Moskva, Mosk. aviationsionnyi in-t im. Sergo Ordzhonikidze,
1962. 26 p. (MIRA 16:4)

(Moments of inertia)

RYABTSEVA, I.T.

Bioelectric activity of the cerebral cortex in pregnant women
with a pelvic presentation of the fetus up to the external pro-
phylactic version and after its accomplishment. Sbor.nauch.trud.
Kaf.akush. i gin. 1 LMI no.2:170-173'61. (MIRA 16:7)
(ELECTROENCEPHALOGRAPHY) (VERSION (OBSTETRICS))

ANDROSOVA, Ye.N.; RYABTSEVA, I.T.; YAKOVLEV, I.I.

Bioelectric activity of the cerebral cortex in pregnant women
with a pelvic presentation of the fetus. Sbor.nauch.trud.Kaf.
akush. i gin. 1 IMI no.2:155-158'61. (MIRA 16:7)
(ELECTROENCEPHALOGRAPHY) (FETUS)

RYABTSEVA, K.M.

Structural soils of the Terskol section of the southern slope of Mount Elbrus based on materials from 1957 observations. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. godiz. godu no. 2:92-98 '58. (MIRA 15:10)

(Elbrus, Mount—Soils)

RYABTSEVA, K.M.; TUSHINSKIY, G.K.

Stratigraphy of ice as a characteristic index of natural and territorial complexes. Inform. sbor. o rab. Geog. fak. Mosk. gos un po Mezhdunar. geofiz. godu no.1:272-283 '58. (MIRA 12:3)
(Ice)

RYABTSEVA, K.M.

Observations on snow accumulations and freezing processes on the southern slope of Mount Elbrus. Inferom. aber. o rab. Geog. fak. Mosk. gos un po Mezhdunar. geofiz. godu no.1:102-110 '58. (MIRA 12:3)
(Elbrus, Mount-Snow)

RYABTSEVA, K.M.

PAGE 1 BOOK REPRODUCTION 501/2355

Moscow. Universitet. Geograficheskaya fakultet.
 Informatsionnyy zhurnal o rezhimakh geograficheskogo fakulteta Moskovskogo gosudarstvennogo universiteta po neizdatel'stvennym geograficheskym izdaniyam No. 1 (Collection of Information on Work from the Geography Department of Moscow University for the International Geophysical Year, No. 1).
 Moscow, 1950. 280 p. Brana sliu i mirev, 500 copies printed.

Prof. M. G. K. Tumbaskiy, Professor:

PURPOSE: This book is intended for earth scientists, particularly those interested in glacial phenomena.

CONTENTS: This book describes the activities of the Geography Department of Moscow State University in connection with International Geophysical Year. The work is divided into 4 parts, each dealing with a specific regional investigation. These are the Mount Elbrus Expedition, the Ushba Expedition, the Nairi Expedition and the Antarctic Expedition. Additional articles discuss problems in glaciology and research techniques. References accompany each article.

Table of Contents THE I.G.Y. ELBRUS EXPEDITION

Khushnayev, G.F. Glaciological Work on Mount Elbrus	5
Sukhorukova, Ye.M. Traces of the Last Glaciation in Preliminary [Mount Elbrus District]	9
Rybatskaya, E.M. Observations of Snow and Melting Processes on the Southern Slope of the Elbrus	20
Bryukhanov, A.V., I.B. Zarov, and I.A. Lebed'. Contents and Symbols of Large-Scale Glacier Maps	11
Trofimov, Ye.S. Preliminary Data on the Application of the Spore-Pollen Method on Elbrus Glaciers	12
Zhdan, M.P. Macro-Control Equipment and Methodology Used in Studying the Temperature of the Elbrus Ice Cover	13
Gorodov, K.M. Preliminary Information on the Work of the Elbrus Station for the International Geophysical Year	15
Peresrov, V.Z. Climatic Conditions of Snow and Ice Melting	19
Jashev, E.M. Study of the Moisture Status of Soils and Grounds	19
Sosulin, V.V. The Problem of Hydrothermal Conditions of the Soils of the Elbrus Mountain Range	25
Sorov, V.P. The Part Glacier in the Khibiny Region	26
Chuchkov, B.B. Preliminary Information on the Work of the Elbrus Expedition of the International Geophysical Year	27
Dolits, A.P. Preliminary Results of the Seismographic Soundings of the Antarctic Snow Cover During the First Soviet Antarctic Expedition of the Academy of Sciences, USSR, 1955-57	27
Ryabtseva, A.I. General Problems of Glaciology and the Study of Permafrost	29
Ryabtseva, A.I. The Glaciological Zoning of the Permafrost Area in the USSR	29

SEARCH WORDS

Kravik, A.M. and Ye.S. Technika. Method of Collecting Ice Samples for the Spore-Pollen Analysis	265
Ivanits, A.P. Mechanical Drilling of a Freshwater Film	266
Ryabtseva, A.I. and G.K. Tumbaskiy. Stratigraphy of Snow as an Indicator of the Characteristics of Natural Region Complexes	272

PAGE 1 BOOK EXPLOITATION

SV/2355

35A)

Moscow. Universitet. Geograficheskiy Fakultet.

Informatsionnyy zhurnal o rabotakh Geograficheskogo Fakulteta Moskovskogo
gospodarstvennoy universiteta po Neftianosrodnomu sotrudnichestvu zemli,
No. 1 (Collection of Information on Work Done by the Geography Depart-
ment of Moscow University for the International Geophysical Year, Nr. 1)
Moscow, 1958. 290 p. Brana sily izdaniye, 800 kopii Printed.
Moscow, 1958. 290 p. Brana sily izdaniye, 800 kopii Printed.

By: M. G. Rubtsov, professor

PURPOSE: This book is intended for earth scientists, particularly those
interested in glacial phenomena.

CONTENTS: This book describes the activities of the Geography Department of
Moscow State University in connection with International Geophysical Year.
The work is divided into 4 parts, each dealing with a specific regional
position. These are the Soviet, Siberia Expedition, the Khibiny Expedition,
the Polar Expedition, and the Antarctic Expedition. Additional articles
discuss problems in glaciology and research techniques. References ac-
company each article.

THE I.G.Y. REPORTS EXPERTISE

Table of Contents

Geoclimatology, Tech. Information Table for Trends of Auctant
Glaciation in Mountains

REPORTS

Study of the Physical Properties of Snow and of
the Meteorological Processes in a Snow Cover
in the Taimyr Province

AVAILABILITY: Library of Congress

284

289

18

Fyabtseva, K.M.

3(3,4)

PHASE I BOOK EXPLOITATION SOV/2355

Moscow. Universitet. Geograficheskiy fakul'tet.

Informatsionnyy sbornik o rabotakh Geograficheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta po Mezhdunarodnomu geofizicheskому godu, No 1 (Collection of Information on Work Done by the Geography Department of Moscow University for the International Geophysical Year, Nr 1) Moscow, 1958. 298 p. Errata slip inserted, 800 copies printed.

Resp. Ed.: G. K. Tushinskiy, Professor

PURPOSE: This book is intended for earth scientists, particularly those interested in glacial phenomena.

COVERAGE: This book describes the activities of the Geography Department of Moscow State University in connection with International Geophysical Year. The work is divided into 4 parts, each dealing with a specific regional expedition. These are: the Mount Elbrus Expedition, the Khibiny Expedition, the Pamir Expedition, and the Antarctic Expedition. Additional articles discuss problems in glaciology and research techniques. References accompany each article.

Collection of Information on Work Done by the (Cont.) SOV/2355

TABLE OF CONTENTS:

THE I.G.Y. ELBRUS EXPEDITION	
Tushinskiy, O.K. Glaciological Work on Mount Elbrus	3
Scharchakovskaya, Ye.M. Traces of the Last Glaciation in Priel'brus'ye [Mount Elbrus District]	29
Ryabtseva, N.M. Observations of Snow and Freezing Processes on the Southern Slope of the Elbrus	102
Bryukhanov, A.V., I.R. Zaytov, and I.A. Lappo. Contents and Symbols of Large-Scale Glacier Maps	111
Troshkina, Ye.S. Preliminary Data on the Application of the Spore- Pollen Method on Elbrus Glaciers	124
Filan, M.Ya. Remote-Control Equipment and Methodology Used in Study- ing the Temperature of the Elbrus Ice Cover	129

Collection of Information on Work Done by the (Cont.) SOV/2355

THE I.G.Y. Khibiny EXPEDITION

Gromov, K.M. Preliminary Information on the Work of the Khibiny Station for the International Geophysical Year	133
Puzanov, V.P. Climatic Conditions of Snow and Ice Melting	138
Gromov, K.M. Study of the Moisture Status of Soils and Grounds	158
Kryuchkov, V.V. The Problem of Hydrothermal Conditions of the Soils of the Khibiny Mountain Range	186
Perov, V.F. The First Glacier in the Khibiny Region	206

THE I.G.Y. PAMIR EXPEDITION

Chuchkalov, B.S. Preliminary Information on the Work of the Pamir Expedition of the International Geophysical Year	209
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THE I.G.Y. ANTARCTIC EXPEDITION

Collection of Information on Work Done by the (Cont.) SOV/2355

Kapitsa, A.P. Preliminary Results of the Seismographic Sounding of the Antarctic Snow Cover During the First Soviet Antarctic Expedition of the Academy of Sciences, USSR, 1955-57

217

GENERAL PROBLEMS OF GLACIOLOGY AND THE STUDY OF PERMAFROST

Popov, A.I. The Glacial-Geological Zoning of the Permafrost Area in the USSR

239

RESEARCH METHODS

Krenke, A.N., and Ye.S. Troshkina. Method of Collecting Ice Samples for the Spore-Pollen Analysis

265

Kapitsa, A.P. Mechanical Drilling of a Freshwater Firn

268

Ryabtseva, K.M., and G.K. Tushinskiy. Stratigraphy of Snow as an Indicator of the Characteristics of Natural Region Complexes

272

Card 4/5

Collection of Information on Work Done by the (Cont.) SOV/2355

Shcherbakova, Ye.M. Information Table for Traces of Ancient
Glaciation in Mountains

284

REPORTS

Troshkina, Ye.S. Study of the Physical Properties of Snow and of
the Metamorphic Process in a Snow Cover

289

AVAILABLE: Library of Congress

Card 5/5

MM/fal
9-18-59

RYABTSEVA, L.S.

Candidomycoses as complications following treatment with antibiotics.
Med. sestra 20 no.6:50-51 Je '61. (MIRA 14:7)

1. Iz l-y gorodskoy bol'nitsy, Moskva.
(MONILIASIS) (ANTIBIOTICS)

RYABTSEVA, M.P.

"Collected papers on the exchange of information among medical
libraries in the Ukraine." Sov.zdrav. 17 no.11:62-63 N'58 (MIRA 11:10)
(UKRAINE-MEDICAL LIBRARIES)

RYABTSEVA, M.T. (Leningrad, M. Posadskaya ul., d.15, kv.81)

Basic sources of bibliography of surgical literature. Vest.khir. 83
no.10:138-143 O '59. (MIRA 13:2)
(SURGERY bibliography)

RYABTSEVA, M.T. (Leningrad)

Bibliography of literature on otorhinolaryngology by Soviet authors
[with summary in English]. Vest. oto-rin. 19 no.1:83-85 Ja-F '57
(MIRA 10:4)

(OTORHINOLARYNGOLOGY
bibliog., Russian) (Rus)

USSR / General and Specialized Zoology. Insects.
Pest Insects and Ticks.

Abs Jour : Ref Zhur - Biol., No 17, 1958, No., 78300

Author : Ryabtseva, N.I.

Inst : Tadzhik Scientific-Research Institute of Horticulture, Viniculture, and Subtropical Winter Crops.

Title : Efficiency of Autumn and Winter Control Methods for the Violet Scale-Insect (Preliminary Report).

Orig Pub : Byul. nauchno-tekhn. inform. Tadzh. n.-l. in-t sadovodstva, vinogradarstva i subtrop. kul'tur, 1957, fas. 1,10-11.

Abstract : No abstract given.

Ryabtseva, N. I.

USSR/General and Special Zoology - Insects.

P-6

Abs Jour : Ref Zhur - Biol., No 5, 1958, 21092

Author : Ryabtseva, N.I.

Inst :

Title : The San Jose Scale Insect and Its Control.

Orig Pub : S.Kh. Tadzhikistana, 1957, No 3, 59-62.

Abstract : No abstract.

Card 1/1

RYABTSEVA, T.V.

Two observations of isolated lymphogranulomatosis of the stomach
and the small intestine. Vest.khir. 77 no.4:111-114 Ap '56.
(MLRA 9:8)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.-prof. P.N.
Napalkov) Leningradskogo sanitarno-gigienicheskogo instituta.
Leningrad, Kurakina ul., 1/3.

(STOMACH, neoplasms
Hodgkin's dis.)

(INTESTINE, SMALL, neoplasms
same)

(HODGKIN'S DISEASE
intestine, small, & stomach)

RYAETSEVA, N. I.

Ryabtseva, N. I. "Quarantine coccidia of Tadzhikstan and measures to combat them",
Sel. khoz-vo Tadzhikstana, 1949, No. 2, p. 30-34.

SO: U-411, 17 July 53, (Letopis' Zhurnal 'nykh Statey, No. 20, 1949)

RYABTSEVA, V.G.

Practice work in pharmacognosy. Apt. delo 12 no. 5:70-71 S-0'63
(MIRA 16:11)

1. Penzenskoye farmatsevticheskoye uchilishche.

*

RYABTSEVA VI

5

U S S R

Transformation of unsym. dimethyl diphenylbutynedioic acid medium. IV. 2-Methyl-5,5-diphenyl-4-penten-2-ol-3-one. E. D. Venus-Danilova, V. I. Ryabtseva, and L. A. Grigor'eva (Leningrad Technol. Inst., Leningrad). *Zhur. Obschek Khim.*, 24, 1380-90 (1954); cf. *C.A.* 46, 2007/0036c. The previously described substance, m. 132-3°, formed from 2-methyl-5,5-diphenyl-3-pentyne-3,5-diol, and 7.5% nlc. H_2SO_4 is not a diketone but 2-methyl-5,5-diphenyl-4-pentene-2-ol-3-one (I). Treated with 2,4-dinitrophenylhydrazine it gave the pyrrolidine deriv., $C_{11}H_{12}O_2N_2$, decomp. 202°. Prolonged heating of I with NH_4OH and a few drops of HCl in EtOH gave tars and no individual substances. Heating I with NaOAc and Ac₂O gave the monacetate, m. 72-3°. Ozonolysis of I gave Ph₂CO, Me₂CO, Me₂C(OH)CO₂H, and traces of BaOH and HCO₂H. Hydrogenation of I over Pd gave 81.8% 2-methyl-5,5-diphenyl-2-pentanol-3-one (III), m. 98-7°; 2,4-dinitrophenylhydrazone, m. 208-9°. Treatment of the said ketoal, with Pb(OAc)₂ gave Me₂CO and $Ph_2CHCH_2CO_2H$, m. 138-42° (crude). Heating I with 20% alc. H_2SO_4 , 5 hrs, at 65-70° gave 2,2-dimethyl-5,5-diphenylethoxyhydro-3-furanone, m. 93-0°; semicarbazone, m. 210°. Infrared spectrum of I is shown with absorptions at 1.49, 1.76 and 2.07 μ , characteristic, resp., of HO, Ph, and Me groups; a band at 5.98 indicates the CO group while 6.34 and 6.95 μ indicate C=C and Me groups. The infrared spectrum of Me₂C(OH)COCH₂CHPh (II) gave bands at 1.49 and 2.07 (HO), 5.98 (CO), 6.28 (C=C), 1.08 (Ph), and 1.76 and 6.92 μ (Me). In the ultraviolet the following absorption max. were observed: at 302 $m\mu$ (ϵ 13580), acetate at 302 $m\mu$ (12792); II at 294 $m\mu$ (19804). These 3 spectra were similar. III gave a different spectrum (only a rough reproduction shown).

G. M. Kosolapoff

ca

Transformations of unsymmetric dimethylidiphenylbutyndiol in acid medium. III. Condensation with phenol in the presence of sulfanilic acid. Yu. S. Zalkind and G. M. K. *Zhur. Org. Khim.* 11, No. 1, p. 103-106 (1975).
A solution of 10 g. of PhOH, 40 ml. CH_2Cl_2 , and 0.2 g. ρ -H₂NCH₂SO₃H in the presence of 13.3 g. MeC(=O)C₆H₄C(=O)Ph gave complete elimination of H₂O in 1.5 hrs. and yielded, after steam distn., 85% 2,2-dimethyl-3,5-diphenyl-3-phenoxo-2,5-dihydrofuran, m. 123°, and a small amt. of the 1-(*p*-hydroxyphenyl) analog, m. 106°. Heating the former with Hg gave PhOH, while oxidation with CrO₃ gave MeCO, CO₂, and HCO₂H, and KMnO₄ in KOH gave PhCO and benzoic acid. Hydrolysis of the Ph derivative with aq. aq. H₂SO₄ for 1 hr. gave 2,2-dimethyl-3,5-diphenyl-3-furanone, m. 101-7°. Hence, PhOH adds to the triple link mainly as PhO and H, and only to a minor extent as ρ -HOCH₂ and H. The small yield of the latter leaves a possibility of an *o*-OH structure. G. M. K.

RYABTSEVA, V. I.

VENUS-DANILOVA, E.D.; RYABTSEVA, V.I.; GRIGOR'YEVA, L.A.

Conversion of asymmetric dimethyl-diphenyl-butynediol in an acidic medium. Part 4. 2-methyl-5,5-diphenylpenten-4-ol-2-one-3. Zhur. ob. khim. 24 no.8;1380-1390 Ag '54. (MLRA 7:9)

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta.
(Pentenol)

RYABTSEVA, V. I.

USSR/Chemistry Isomerization

Card : 1/1 Pub. 151 - 18/33

Authors : Venus-Danilova, E. D., Ryabtseva, V. I., and Frigoryeva, L. A.

Title : Conversion of nonsymmetrical dimethyl-diphenyl-butinediol in an acid medium. Part 4.- 2-Methyl-5,5-diphenyl-pentene-4-Ol-2-one-3

Periodical : Zntr. ob. khim. 24/8, 1380 - 1390, August 1954

Abstract : Experiments showed that the substance with melting point of 132 - 133°, formed as result of isomeric conversion of nonsymmetrical dimethyl-diphenyl-butinediol under the effect of an alcohol sulfuric acid medium, has the structure of ethylene alpha-keto-alcohol 2-methyl-5,5-diphenyl-pentene-4-Ol-2-one-3 and not the structure of a diketone. The hitherto unknown products obtained as result of ozonization of the keto-alcohol, are described. The structure of unsaturated and saturated alpha-keto-alcohols was confirmed by their infrared and ultraviolet spectra. Seven references: 5 USSR, 1 USA and 1 German (1922 - 1950). Graphs.

Institution : The Lensoviet Technological Institute, Leningrad

Submitted : February 16, 1954

RYABTSEVA, V. I.

"Transformation of asymmetrical dimethyl diphenyl butynediol in an acid medium. III. Condensation with phenol in presence of sulphanilic acid." by Yu. S. Zal'kind and V. I. Ryabtseva. (p.535)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1951, Volume 21, №. 3

RYABTSEVA, V.I.,
YU. S. ZALKIND, ZhOKh 20, 2309-16 (1950)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001446310020-0

RYABTSEVA, V. I.
YU. S. ZALKIND, ZhOKh 20, 2230-5, 1950

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001446310020-0"

RYABTSEVA, V. I.
YU. S. ZALKIND, ZhOKh 20, 2222-9, 1950

KOVTON, I.P., kand.tekhn.nauk; RYABTSEVA, Yu.V., inzh.; DENISENKO, Z.Ya.

Wall materials made of activated coke slags. Sbor. trud. IUZHNII
no.2:108-111 '59.

(MIRA 13:9)

1. Yuzhnnyy nauchno-issledovatel'skiy institut po stroitel'stvi.
(Lightweight concrete)

KOVTUN, I.P., kand.tekhn.nauk; RYABTSEVA, Yu.V., inzh.; DENISENKO, Z.Ya.

Roofing tiles made of activated coke slags. Sbor. trud. IZUHNII
(MIRA 13:9)
no.2:136-138 '59.

1. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu.
(Tiles, Roofing) (Slag)

KOVTUN, I.P., kand.tekhn.nauk; TARASENKO, V.N., kand.tekhn.nauk;
RYABTSEVA, Yu.V., mladshiy nauchnyy sotrudnik; DENISENKO,
Z.Ya., master-instruktor

Activated air-entrained slag concrete. Stroi.mat. 5 no.9:35
(MIRA 12:12)
S '59.
(Lightweight concrete)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001446310020-0

RYABTSEVA, Yuliya Vasil'yevna; MATSAKOV, G.S., red.

[Activated fire-resistant concrete] Zharoupornyi aktivizirovannyi beton. Kiev, Budivel'nyk, 1964. 62 p.
(MIRA 18:2)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001446310020-0"

Ryabtseva, Z.G.

VORONINA, A.F.; NIKOLAYEV, V.A.; RYABTSEVA, Z.G.

Semidesert areas and the possibility of studying them by using the
materials of aerial photography. Vest. Mosk. un. Ser. biol., pochv.,
geol., geog. 12 no.3:203-213 '57.
(MIRA 10:12)

1. Kafedra geodezii i kartografii i geomorfologii Moskovskogo gosu-
darstvennogo universiteta.
(Photogrammetric pictures)

BROTSKIY, Yu.Z.; VORONINA, A.F.; NIKOLAYEV, V.A.; RYCHAGOV, G.I.; RYABTSEVA,
Z.G.; TYURDENEVA, S.A.; TSATSENKIN, I.A.

Field methods in making general physicogeographical maps. Nauk. zap.
(MIRA 11:6)
L'viv. un. 40:114-125 '57.

I.Gosudarstvennyy universitet im. M.V. Lomonosova, Moskva.
(Physical geography—Maps)

3(2)

AUTHORS:

Voronina, A. F., Ryabtseva, Z. G., SOV/6-58-12-10/14
Candidate of Geographical Sciences, Tsedeler, Ye. E., Candidate
of Geographical Sciences

TITLE:

Cartographical Work in the Complex Study of Half-Desert Regions
(Kartograficheskiye raboty pri kompleksnom izuchenii
polupustynnykh rayonov)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 12, pp 53-56 (USSR)

ABSTRACT:

The Prikaspiyskaya ekspeditsiya geograficheskogo fakulteta MGU
(Expedition to the Regions of the Caspian Sea of the
Geographical Dept. of Moscow State University) examined in
1948-55 wide areas of Sarbinskaya lowland, the Chernyye zemli,
the Nogayskaya steppe, the Volga-Akhtuba flood land
and the Volga delta with a total surface of
100,000 km² that should be partially irrigated and economically
opened up. In 1948-50, geographical examinations were made for
the first stage of the scheme (general schedules were set up).
Then, physical-geographical and economic-geographical special
maps at small and medium scales were made up. In subsequent
years, the most typical sections were examined in detail.
On account of this work, large-scale maps were produced.

Card 1/2

Cartographical Work in the Complex Study of
Half-Desert Regions

SOV/6-58-12-10/14

The work of the first stage was carried out by special sections (geomorphological, soil-geobotanical and economic-geographical sections). Cartographers took part in the office and field work. The work in the two stages is here pointed out in short. The work carried out here showed that in extensive geographical expeditions the presence of cartographers in all stages of work is indispensable for the making of special maps with universal characteristics of the region.

Card 2/2

BROTSKIY, Yu.Z. [deceased]; VORONINA, A.F., NIKOLAYEV, V.A.; RYCHAGOV, G.I.;
RYABTSEVA, Z.G.; TYURDENEVA, S.A.; TSATSENKIN, I.A.

Field methods of making general physicogeographical maps; from the
work practice of the expedition of the Moscow State University to
the Caspian Sea region. Vop.geog. no.42:9-22 '58.

(MIRA 11:11)

(Cartography)

RYABTSEVA, Z.G.

Interpretation of aerial photographs for the general maps of
arid regions. Vop.geog. no.42:61-67 '58. (MIRA 1:11)
(Cartography) (Photography, Aerial)

RYABOVE, P.I.

Dynamics of the grass cover and natural seeding of trees and
shrubs in the Manych Forestry, Rostov Province. Bot.zhur.
45 no.3:441-443 Mr '60. (MIRA 13:6)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Veselyy District--Forest ecology)

S/035/62/000/011/056/079
A001/A101

AUTHORS: Nikolayev, V. A., Ryabtseva, Z. G.

TITLE: Aerial photosurvey as a method of comprehensive study of semi-desert and dry steppe landscapes

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 18, abstract 11G137 (In collection: "Primeneniye aerometodov v landshaftn. issled.", Moscow - Leningrad, AN SSSR, 1961, 105 - 119)

TEXT: A strictly determined structure of natural landmarks corresponds to every type of landscape, and a definite type of photoimage pattern corresponds to it on aerial photographs. The analysis of patterns makes it possible to reveal the natural landmarks being components of the landscape, to establish regularities in their distribution, quantitative relations, genetic correlations, dynamics, and co-ordination. On the basis of experience in comprehensive analysis of aerial photomaterials of semi-desert and dry steppe landscapes, the authors consider peculiarities of these landscapes and their deciphering on aerial photographs. It is stressed that specific features of the landscape structure condition special methods of their identification on aerial photoimages. Deciphering

Aerial photosurvey as a method of...

S/035/62/000/011/056/079
A001/A101

signs are often true only within the boundaries of physico-geographic regions, since morphological structure of landscapes usually changes essentially from one region to another, even within the same zone. There are 42 references.

P. Vol'pe

[Abstracter's note: Complete translation]

Card 2/2

RYABTSEVA, Z., agronom po zashchite rasteniy

Mass propagation of pests. Zashch. rast. ot vred. i bol. 10
no.1:41 '65. (MIRA 18:3)

1. Litovskaya stantsiya zashchity rasteniy.

BRUSIN, A.M., prof.; RYABTSEVA, Z.S., dotsent; MIROSHNICHENKO, Ye.G.,
assistant

Method for determining the sensitivity of dysentery bacteria to
antibiotics. Report No. 1. Sbor. trud. Kursk. gos. med. inst.
no.13:204-206 '58. (MIRA 14:3)

1. Iz kafedry mikrobiologii (zav. - prof. A.M. Brusin) Kurskogo
gosudarstvennogo meditsinskogo instituta.
(SHIGELLA) (ANTIBIOTICS)

KOZINA, T.P., assistent; RYABESEVA, Z.S., dotsent

Treatment of bacillary dysentery with enemas of a 10% emulsion of synthomycin with aloe and anesthesine. Sbor. trud. Kursk. gos. med. inst. no.13:214-215 '58. (MIRA 14:3)

1. Iz kliniki infektsionnykh bolezney (zav. - dotsent M.Ye.Gal'perin) i kafedry mikrobiologii (zav. - prof. A.M.Brusin) Kurskogo gosudarstvennogo meditsinskogo instituta.

(DYSENTERY)

(ALOE)

(AUREOMYCIN)

(BENZOCAINE)

KRISS, A. Ye., RYABTSEVA, Z.S., RUKINA, Ye.A., KIRIK, M. & GRIGOR'YEVA, T.A.

--"Fagin--Complex Preparation for the Treatment of Refractory Infected Wounds."

SO: Byul. Eksper. Biol. i Med. 1944(9). (Quoted in Referaty 1945)

Country	: USSR
Category	: Microbiology-Antibiosis and Symbiosis. Antibiotics
Abs. Jour.	: Ref Zaur - Biol., No.19, 1953, 85993
Author	: Ryabtseva, Z.S.; Bestuzheva, A.P.; Volynkina, O.G.
Institut.	: Kirgiz Scientific Research Institute of Epidemiology
Title	: The Influence of Synthomycin on the Agent of Dysentery
Orig. Pub.	: Sb.: Tr. Kirg. N.-I. In-ta Epidemiol., Mikrobiol., i Gigiency, 1956, No.2, 38-43
Abstract	: Observation was made of a quick acclimation of dysentery bacilli to synthomycin (I) in experiments in vitro, as well as upon treatment of patients suffering with dysentery. The degree of adjustment to I was dissimilar in the various strains. I promotes changes in the morphologic features of cultures but apparently has no influence on the biochemical and serologic properties of these organisms. - T.P. Vertogradova
*logy, Microbiology, and Hygiene	
Card:	1/1

RYABTSEVA, Z. S.

"Bacteriological Characteristics of Dysentery in the City of Frunze," Trudy Instituta Epidemiologii i Mikrobiologii Ministerstva Zdravookhraneniya Kirgizskoy SSR, Frunze, Vol 1, 1951, p 12.

RYABTSEVA, Z. S.

"Classifying Dysentery Strains by Types," Trudy Instituta Epidemiologii i Mikrobiologii Ministerstva Zdravookhraneniya Kirgizskoy SSR, Frunze, Vol 1, 1951, p 15.

RYABTSEVA, Z. S.

"Bacteriological Characteristics of Dysentery in the City of Frunze,"
Trudy Instituta Epidemiologii i Mikrobiologii Ministerstva Zdравоохранения
Kirgizskoy SSR, Frunze, Vol. 1, 1951, p. 15.

RYABTSHIKOV, D.I.

✓ 12207* (Russian.) Isolation of Magnesium, Aluminum, Chromium, Manganese, Iron, Nickel, and Copper by Ion-Exchange Methods. Razdelenie maznina, aliuminiia, khroma, mangantsa, zheleza, nikelia i medi ionoobmennym metodom. D. I. Ryabtshikov and V. F. Osanova. Zhurnal Analiticheskoi Khimii, v. 11, no. 3, May 1956, p. 278-285.

Reactions with thiosulfate, rhodanides, and pyrophosphates are used.

10
2
3

DM
SP

RYABTSOV, A.A., inzh.

Methods for calculating exhaust and scavenging of two-cycle
engines. Izv.vys.ucheb.zav.; mashinostr. no.5:129-139
'60. (MIRA 13:7)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
Baumana - "Russkiy dizel".
(Diesel engines)

RYABTSOV, A.N., master otdelechnogo proizvodstva

Use of sprayers for the conditioning of finished fabrics. A.N.
Tekst.prom. 22 no.4:66 Ap '62. (MIRA 15:6)

1. Ivanovskiy melanzhevyy kombinat.
(Textile finishing)

L 00941-66 EWT(m)/EPA(w)-2/EWA(m)-2 IJP(c)

ACCESSION NR: AT5015936

UR/3092/65/000/003/0037/0045

AUTHOR: V'yalytsyn, V. A.; Nadybin, A. I.; Prudnikov, I. A.; Ryabtsov, A. V.;
Smirnov, V. L.; Khokhlov, V. K.

TITLE: Investigation of the accelerating system of a 5-Mev linear accelerator

SOURCE: Moscow. Nauchno-issledovatel'skiy institut elektrofizicheskoy
apparatury. Elektrofizicheskaya apparatura; sbornik statey, no. 3, 1965, 37-45

TOPIC TAGS: electron accelerator, 5 Mev linear accelerator

ABSTRACT: The results of testing an experimental model of the 5-Mev linear electron accelerator which is intended for beta and gamma therapy are reported. The accelerating system is made in the form of a 2338.3-mm long septate waveguide operating at $\pi/2$ mode. The initial 767-mm long section of the waveguide has variable dimensions so that the phase velocity and field-strength amplitude can be continuously varied to ensure a high capture coefficient. These measured

L 00941-66

ACCESSION NR: AT5015936

characteristics are presented: energy and accelerated-beam energy-spectrum width vs. frequency (maximum energy, around 2798.6 Mc); ratio of accelerated-particle current to injection current (capture) vs. frequency (80% corresponds to about 2800 Mc); energy, energy-spectrum width and capture vs. r-f power; same quantities vs. injection current; energy and energy-spectrum width vs. injection current; energy and energy-spectrum width vs. injection voltage. The energy spread of electrons at the spectrum half-height is $\pm 5\%$ or less; the average current of accelerated electrons, 70 ma. Orig. art. has: 10 figures and 1 formula.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NO REF Sov: 002

OTHER: 000

I 45256-55 EPA(w)-2/EWT(m)/EWA(m)-2 Pt-7/Pat-10 IJP(c) 6
ACCESSION NR: AT5007931 S/0000/64/000/000/0430/0434

AUTHOR: Zeytlenok, G. A.; Lazarenko, Yu. P.; Rumyantsev, V. V.; Ryabtsov, A. V.
Levin, V. M.

TITLE: Selection of the optimum parameters of a linear high-energy electron ac-
celerator 14

SOURCE: International Conference on High Energy Accelerators, Dubna, 1963.

Trudy. Moscow, Atomizdat, 1964, 430-434

TOPIC TAGS: high energy accelerator, electron beam, waveguide

ABSTRACT: Modern linear high-energy electron accelerators are complex expensive devices. The problem of lowering their cost for given characteristics of the accelerated beam is of foremost importance. In the present report, which proceeds from the condition for minimum expenditure for equipment and utilization of the accelerator, its optimum parameters are determined taking into consideration the beam capacity. It is considered here that the cost of construction and operation of the accelerator can be described by the formula

$$S = A_1 L + A_2 N \quad (A_1 = a_1 + b_1 t_p), \quad (1)$$

L 45256-65
ACCESSION NR: AT5007931

where L is the length of accelerating system; N is the number of sections; a_i and b_i are constants found from economic analysis; t is the total time of accelerator operation (from start-up to shut-down). [G. A. Zeytlenok et al., "Atomnaya ener-giya," 4, No 5 (1958); Proc. Int'l Conf. High Energy Acc. (CERN, 1959), p. 349.] Expression (1) omits fixed expenses which do not affect the position of the minimum S and therefore can be disregarded. To formulate the basic problem, let there be given coefficients A_i , energy W , and mean current I of the accelerated electron beam; as well as the characteristics of the high-frequency power supply, the supply power during pulse P , the frequency of the accelerating field ω , the duration of the pulse τ , and the pulse repetition frequency n . It is required to determine the values of the basic parameters of the accelerator which correspond to minimum cost of the accelerator S : the accelerating field strength E averaged over the length of the section, the length of one section l , the accelerator's effectiveness η , the geometrical dimensions of the sections, etc. The solution of the problem posed in the report is given for two accelerating systems: 1) system with field strength that does not vary along the length, $E = E_{av} = \text{const}$; 2) system with a constant configuration for the wave-guide sections throughout the length. It is concluded

L 45256-65
ACCESSION NR: AT5007931

that the system with constant field possesses definite advantages over the system with constant geometry. Under certain conditions, however, use of the system with constant geometry may be convenient. Orig. art. has: 7 figures, 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury imeni D. V. Yefremova GKAE SSSR (Scientific Research Institute of Electophysical Equipment GKAE SSSR)

SUBMITTED: 26 May 64

ENCL: 00

SUB CODE: EE, NP

NO REF SOV: 001

OTHER: 003

1358

ACCESSION NR: AT4019723

S/2759/63/000/005/0065/0074

AUTHOR: Lazarenko, Yu. P.; Ryabtsov, A. V.

TITLE: Optimal length of attenuation in a linear accelerator

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli (Accelerators), no. 5, 1963, 65-74

TOPIC TAGS: accelerator, linear accelerator, particle accelerator, attenuation, particle energy, beam loading

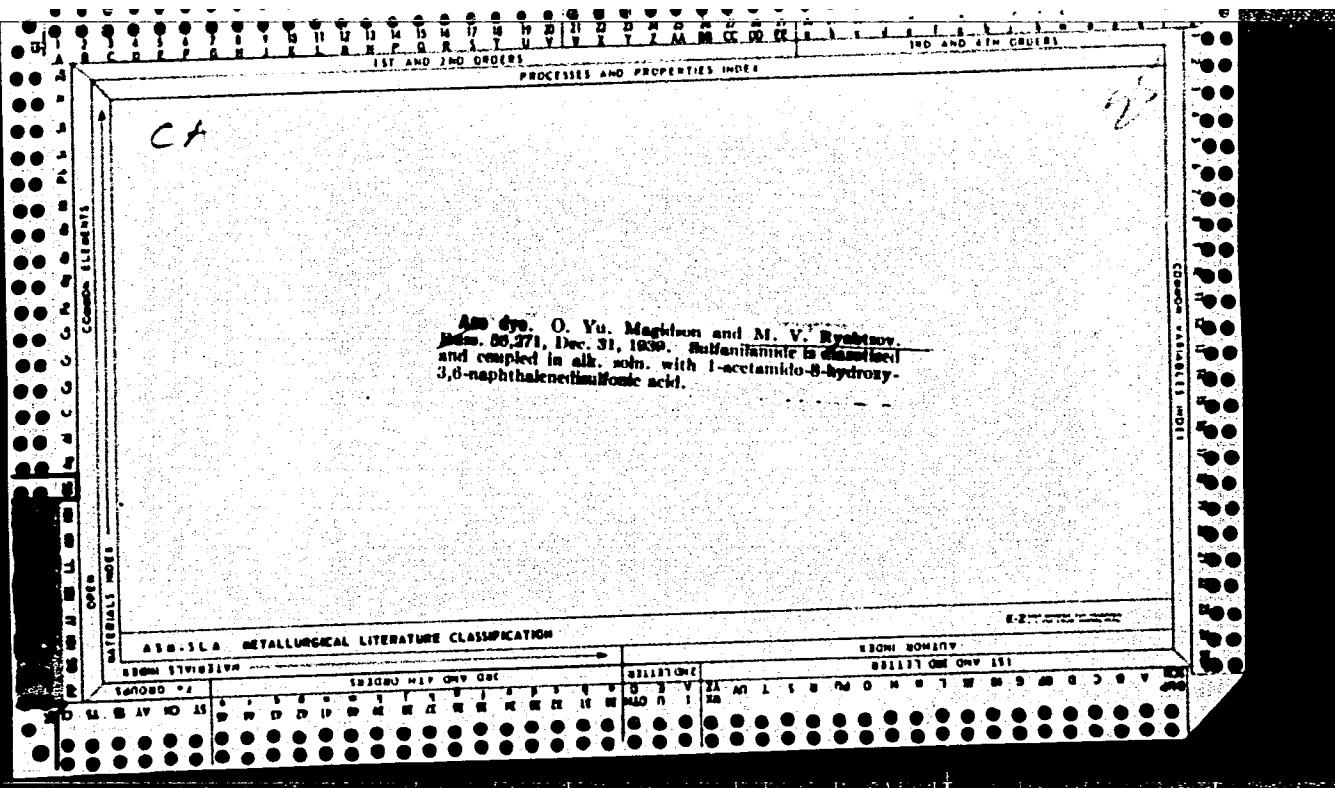
ABSTRACT: The authors first obtain the optimal length of attenuation in an accelerator under small current conditions. They next take into account the influence of beam loading by the particle energy in a section of the accelerator. "Thanks are expressed to V. V. Rumyantsev for valuable discussions." Orig. art. has: 4 drawings and 15 formulas.

ASSOCIATION: Inzhenerno-fizicheskiy institut, Moscow (Engineering-Physics Institute)

SUBMITTED: 00

DATE ACQ: 19Mar64

ENCL: 00



S-44701-66 ENT(m)

ACC NR: AP6031339

SOURCE CODE: UR/0386/66/C04/003/0106/0110
42
39BAUTHOR: Bem, Ya.; Grishin, V. G.; Ryahtsov, V. D.ORG: Joint Institute of Nuclear Research (Ob'yedinennyy institut yadernykh issledovaniy)TITLE: Bremsstrahlung of Electrons with E = 2.4 GevSOURCE: Zh. eksper. i teoret. fiz. Pis'ma v redaktsiyu. Prilozheniya v. 4, no. 3, 1966, 106-110TOPIC TAGS: bremsstrahlung, propane bubble chamber, electron interaction, meson bombardment, pion, muon, high energy interaction

ABSTRACT: In view of the lack of experimental data on the bremsstrahlung of electrons with energies higher than 1000 Mev, the authors investigated the bremsstrahlung of electrons with $E = 2.4$ Gev with the aid of the 24-liter propane chamber of the IVE OIYAI. The chamber was placed in a 13.7-kG magnetic field and bombarded by a beam of π^- and μ^- mesons and electrons with $p_c = 4.00 \pm 0.06$ Gev. The electron content of the primary beam was determined in separate experiments and found to be $(2.0 \pm 0.6)\%$. The selected events in the fiducial region of the chamber satisfied the following requirements: 1) the interaction was produced by the primary particle; 2) the particle energy prior to interaction was $E_1 > 1400$ Mev; 3) the particle energy after interaction was $E_2 < 500$ Mev. Altogether, 67,000 frames were scanned and 179 events found. Out of the 179 secondary particles, 112 were identified as electrons. The experi-

L 44699-66

ACC NR: AP6031340

4
quantities on the scattering angle; these are reported in a separate preprint (JINR, E-2743, Dubna, 1966). It is seen from the results that to eliminate the ambiguity of the phase shift analysis at 400 Mev it is necessary to carry out at least one experiment on triple np scattering. The planning of such an experiment and the determination of the optimal angle at which the measurements must be made are described in a report by Lehar et al. (JINR, E-2332, Dubna, 1966). It turns out that under the existing conditions the most effective means of eliminating the aforementioned ambiguity is to measure the parameters D and A at c.m.s. angles 60 and 55° respectively. The authors thank E. Dudova, N. V. Volchkova, T. D. Timofeyeva, and Ya. Fingerova for help with the work. Orig. art. has: 2 tables.

SUB CODE: 20/ SUBM DATE: 19May66/ ORIG REF: 003/ OTH REF: 016

BLUM, A.I.; RYABTSOVA, G.P.

Investigating thermoelectric properties of the compounds InSb
and GaSb in the melting region and liquid state. Fiz.tver.tela
1 no.5:761-765 My '59. (MIRA 12:4)

1. Institut poluprovodnikov AN SSSR, Leningrad.
(Indium antimonide--Electric properties)
(Gallium antimonide--Electric properties)

SOV/137-58-8-18198

Translation from: Reserativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 285 (USSR)

AUTHOR: Ryabtsova, Z. A.

TITLE: Hygienic Characteristics of Drinking Practice in Hot Plant
Departments (Gigiyenicheskaya kharakteristika pit'yevogo
rezhima v goryachikh tsekhakh)

PERIODICAL: Uch. zap. Gor'kovskogo med. in-ta, 1957, Nr 3, pp 23-28

ABSTRACT: The comparison of the action of various drinking fluids on the characteristics of water metabolism of workers in hot departments indicated, that ascorbic acid possesses the best regulating properties. The daily intake of it in 200 - 300 mg amount (content in the blood 0.8 - 0.9%) with the preliminary saturation of the organism with vitamin C permitted to reduce the intake of plain water by 50%..., perspiration by 49.77% [?], loss in weight to 0.702 g, blood coagulation to 0.45, number of respirations to 23.6, and to increase the size of the effective lung capacity by comparison with that corresponding to the intake of ordinary water by 10.8% at the beginning of the working shift and by 11.7% at the end.

RYABTSEVSKIY, M. I.

PHASE I BOOK EXPLOITATION 742

Vendrikh, German Aleksandrovich and Ryabtsovskiy, Mikhail
Ivanovich

Stroyashchiysya Irkutsk (Irkutsk Under Construction) [Irkutsk]
Irkutskoye knizhnoye Izd-vo, 1956. 13⁴ p. 20,000 copies.
printed.

Ed.: Stepanchenko, A.I.; Tech. Ed.: Trushkina, T.M.

PURPOSE: This book is intended for the general reader.

COVERAGE: This book is a popular description of old and recent
industrial developments in the City of Irkutsk. The first
chapter of the book is a historical sketch, describing the
major developments from 1661 onwards. The two other chapters
report on existing industries and other facilities and discuss

Card 1/4

Irkutsk Under Construction

742

plans for the future. The Irkutsk Heavy Machinery Works imeni Kuybyshev makes 210-liter drags, coil winders, rails, steel balls, classifiers, and various equipment for metallurgy, such as heating equipment for blast furnaces, pipe-drawing mills, wire-drawing mills, among them 120 ton cold-drawing pipe mills. It is one of the largest East-Siberian enterprises. The machine-tool plant, known as Irkutskiy mekhanicheskiy zavod, makes screw-cutting lathes. The building materials production is being expanded, in connection with the great construction schemes on the Angara. Today, the annual brick output of the city's four brickyards is 100 million bricks. In 1955, 47.8 kilometers of streets were asphalted. The city power station (TETs No 2) supplies not only Irkutsk, but also its vicinity. The book describes also the educational facilities of Irkutsk. Their list is in the appendix. Otherwise no concrete data are given. There are 25 illustrations, among them: Vostsibugol' Administration, Foreign Language Institute, the construction site

Card 2/4

Irkutsk Under Construction

742

the Irkutsk GES (as of June 1956), the Irkutsk GES Administration,
the final project of the Dom Sovetov (now under construction), the
project of Ploshchad' (Square) Dekabristov, the project of
"Avangard" stadium, and the project of the Central Market. There
are 38 Soviet references.

TABLE OF CONTENTS:

Introduction

3

Pages from the Past (Chronicle of the City)

4

Irkutsk Today

31

Irkutsk Tomorrow

90

Appendices (Addresses and Telephones of Some Irkutsk
Organizations and Institutions)

130

Card 3/4

Irkutsk Under Construction

742

Bus Lines

133

Streetcar Lines

135

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Card 4/4

RYABTSOVSKIY, Mikhail Ivanovich [Irkutsk]

VENDRIKH, German Aleksandrovich; RYABTSOVSKIY, Mikhail Ivanovich;
STEPANOV, A.I., red.; TRUSHKINA, T.M., tekhn.red.

[Irkutsk under construction] Stroishchiisia Irkutsk. [Irkutsk]
Irkutskoe knizhnoe izd-vo, 1956. 134 p.
(MIRA li:1)
(Irkutsk--Description)

RYABTSEVSKIY, T.P.

Readers' conference. Svar. proizv. no.8:46 Ag '62. (MIRA 15:11)
(Welding--Periodicals)

